Owner's Manual

EIKI

PJ Network Manager for Windows

This is the manual for the PJ Network Manager software.
This software is Windows-compliant, but non-Mac-compliant.
Read this manual thoroughly to operate the PJ Network Manager software.
First, read the owner's manual of the projector to understand the basic operation of the projector and the safety instructions.
The safety instructions in the owner's manuals should be followed strictly.

SNMP Manager Software

for WXL200A

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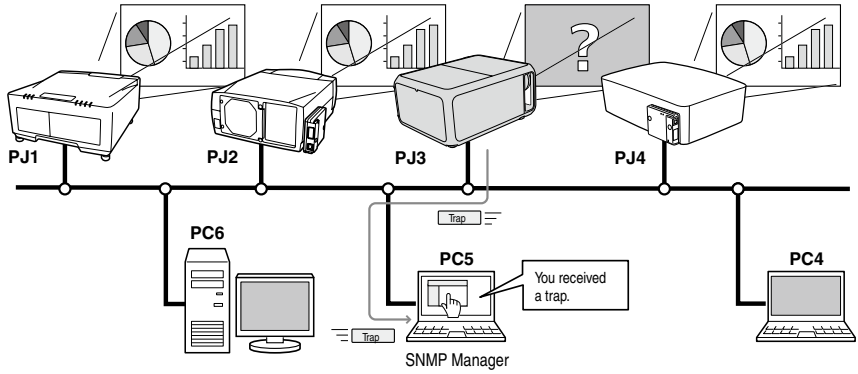
Chapter 1 Introducing

Introducing

This PJ Network Manager is a SNMP manager software for the network equipment which supports the private MIB (Management Information Base).
By installing the PJ Network Manager to the computer, you can monitor the equipment simply such as the projector, the projection monitor and the flat display monitor connected to the network.
* The PJ Network Manager can handle our products which has a SNMP agent function.

SNMP

SNMP is an abbreviation for Simple Network Management Protocol.
On the TCP/IP network, it is the protocol to monitor and control the equipment connected to the network.
SNMP realizes the management function by reading and changing the management information called MIB with SNMP protocol between the manager (management equipment) and agent (controlled equipment) which are connected with TCP/IP network.



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* The contents of this manual are subject to change without notice.

Operating Environment

Item	Minimum	Recommended
CPU	Pentium III 400MHz or higher	Pentium 4 2.0GHz or higher for Windows XP Pentium 4 3.0GHz or higher for Windows Vista and Windows 7
Memory	128MB or higher	256MB or higher for Windows XP 1GB or higher for Windows Vista and Windows 7
HDD	More than 20MB of free disk space	
Screen resolution	SVGA (16 colors or more)	XGA True color or more
LAN	10Mbps or more	100Mbps or more
OS	Windows 2000 Windows XP Windows Vista Windows 7	Windows XP Professional Windows Vista (32bit version) Windows 7 (32bit version)

Limited condition

The number of agents monitored is up to 200.

Expression/Abbreviation

The OS of the computer and the Web browser described in this manual is Windows XP Professional and Internet Explorer 6.0. In case of another OS or Web browser, some instruction procedures may differ from the actual operation depending on your computer environment.

Use of this manual

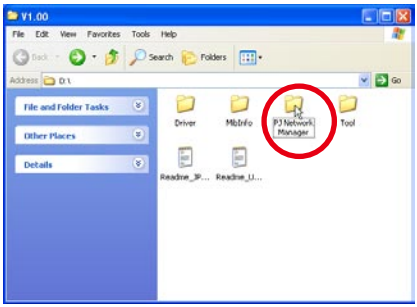
This manual does not provide the description of basic operation and functions for computer, web browser, projector and network. For instructions about each piece of equipment or application software, please refer to the respective manual.

Chapter 2
Set up

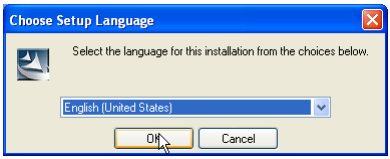
2

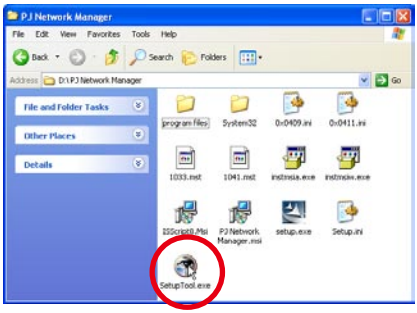
PJ Network Manager installation

1 Set the supplied CD-ROM into the CD-ROM drive of your computer. Double click **SetupTool.exe** icon in the "PJ Network Manager" folder in the CD-ROM.

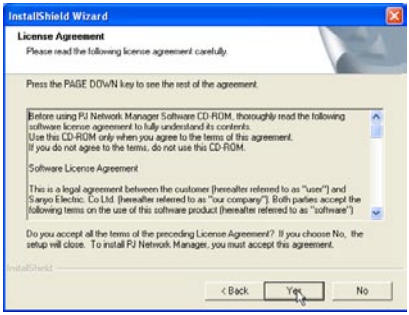


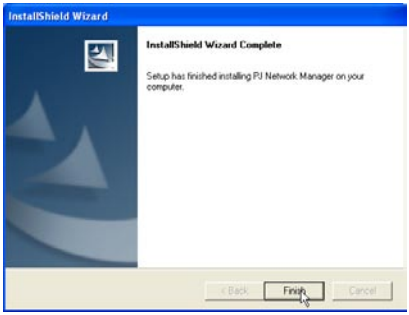
2 Select "[English [United States]" from the pull-down menu on the "Choose Setup Language" window and click **OK** button to start installing and then follow the installation wizards.





As the "Software License Agreement" will appear, read contents carefully and click **Yes** button if you agree with the license agreement to proceed with installing.


InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
Software License Agreement
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PJ Network Manager, you must accept this agreement.
< Back
Yes
No



Note:
To install the software into the computer with Windows 2000, Windows XP, Windows Vista, or Windows 7 you should logon as administrator. Before installation, make sure that the other applications are closed, otherwise proper installation cannot be made.

PJ Network Manager un-installation

To remove the PJ Network Manager software from your computer, perform it with "Add & Remove Programs" on the control panel. (In case of Windows Vista or Windows 7, use "Programs and Features" from the control panel.)

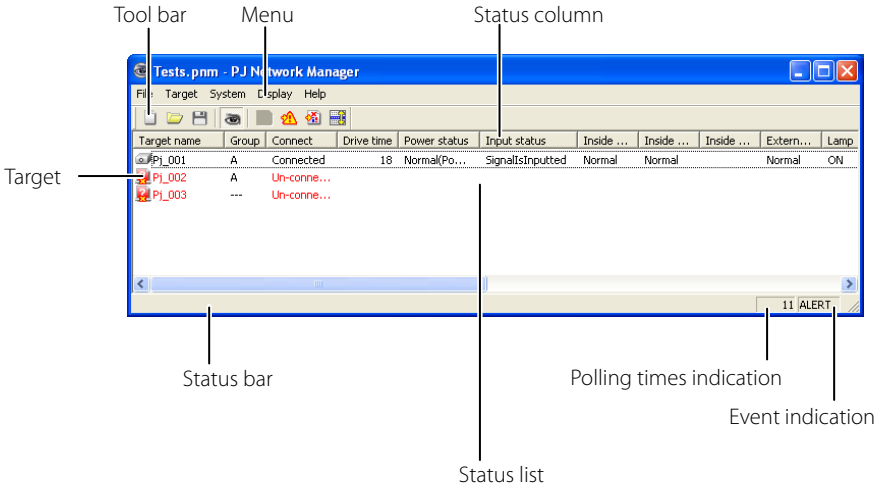
Chapter 3
Basic Operation

3

Launching and quitting PJ Network Manager

To launch PJ Network Manager, take one of the following.
- Select "PJ Network Manager" from the menu "Start" - "All programs".
- Double click a management file*[1].

Name of status window



* With double clicking the target name, the web browser is launching and displays login window of the target.(☞p.31)

Items	Description
Menu	Executes a command with menu selection
Tool bar	Executes a command assigned to a button.
Target	Network equipment for monitoring.
Status bar	Indicates the status of PJ Network Manager and explaining the command selected with cursor.
Status list	Indicates the status of targets monitoring. When some errors are detected, the target name, icon and error items are indicated with red.
Status column	Column of status list.
Polling times indication	Indicates the times of polling during the monitoring.
Event indication	Indicates the event (ALERT, TRAP, SYSERR) when the event happened.

*1 The file in which the Monitor target information and event log information are stored. Refer to item "Storing the management file" (☞p.28) for further details.

[Note]
*** The PJ Network Manager cannot open multiple status windows at the same time.**

Quitting PJ Network Manager

To quit the PJ Network Manager, click the close box on top right of the status window, or select "Exit" from the "File" menu

Menu tree

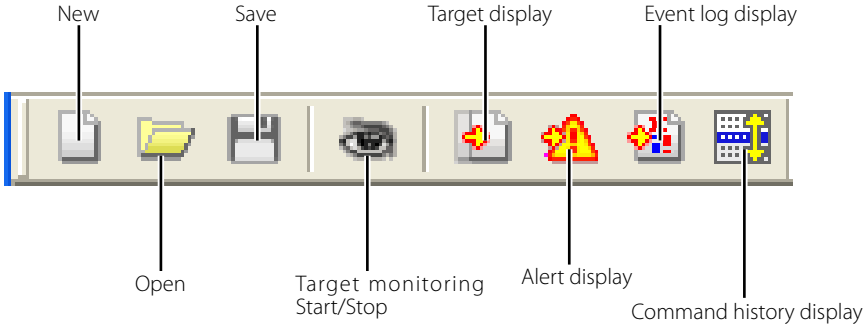
Menu	Sub menu	Operation
File	New	Creates a new management file.
	Open	Opens an existing management file.
	Save	Saves the active management file.
	Save As	Saves the active management file with a new file name.
	Exit	Quits the application.
Target	Target monitoring	Starts or stops target monitoring.
	Target addition	Adds a new target. Target information window will appear.
	Target editing	Edits selected target information.
	Target deletion	Deletes the selected target.
	Group setting	Groups the selected targets.
	Warning value setting	Sets up the warning value of the selected target.
	Telnet setting	Sets up the password of telnet.
	Commands batch processing	Sets commands batch processing for multiple selected targets.
	Timer setting	Sets up the timer for the selected target.
System	Target batch registration	Imports target information defined with the external file.
	System default setting	Sets up the default setting (monitoring information, e-mail information).
	Column selection	Selects display items on the status list.
	Font setting	Sets up display font type and size on the status list.
Display	Update	Updates the information on the status list display.
	Target display	Displays selected target information.
	Alert display	Displays all of alert information on the status list.
	Event log display	Displays all the event logs.
	Command history display	Displays all of command history.
	Tool bar	Switches tool bar on or off.
Help	Version information	Displays version of software.

What's Target

Target indicates the network equipment which provides an SNMP agent function .

Name of the button on the tool bar

The following commands are assigned to the buttons on the tool bar.



Button	Operation
New	Creates a new management file.
Open	Opens an existing management file.
Save	Saves the active management file.
Target monitoring	Starts or stops target monitoring.
Target display	Displays selected target information.
Alert display	Displays all of alert information on the status list.
Event log display	Displays all the event logs.
Command history display	Displays all of the command history.

✐ To switch the tool bar display on or off, select "Tool bar" from "Display" menu.

Icon display for the target

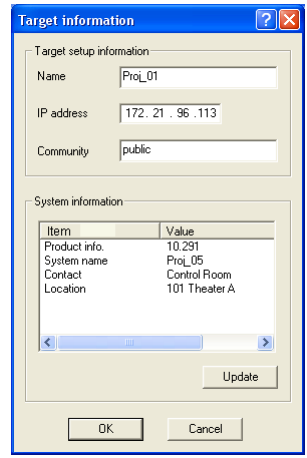
Displays icon according to the target condition.

Icon		Condition
Flat display type	Projector type	
Proj_05	Proj_05	Normal
Proj_01	Proj_05	Abnormal condition (One of the abnormalities, Alert, Trap or System error is happening on the target.)
Proj_01	Proj_100	Connection error (Target has been disconnected from the network)
Proj_100		Acquisition error (Target has been disconnected from the network, or does not provide SNMP function.)
Proj_100		Unknown (Target monitoring is not operating)

Addition of the target

1 Select **Target Addition** from **Target** menu. The target information registering window appears.

Items	Description
Name	Enter a management name of the target equipment.
IP address	Enter IP address of the target equipment.
Community	Enter a community name in the network. Default name is "public".
System information	Displays information set on the network equipment



2 Enter target setup information and click **Update** button. The information set on the target equipment are displayed on the system information items.

✎ When the target equipment is not operating, or it is not the monitoring equipment, the error dialog "Cannot obtain information" will appear.

3 Click **OK** to close the window. Repeat the above steps to register for other equipment which is to be managed.

Editing the target

1 Select a target name to edit on the status list with right click.

2 Select **Target editing** on the popup menu. The target information window will appear and edit the contents, then click **OK** button.

✎ The system information cannot be edited.

✎ Target editing can be executed by selecting **Target editing** from **Target** menu.

Deletion of the target

1 Select a target name to delete on the status list with right click.

2 Select **Target deletion** on the popup menu. The confirmation dialog will appear and click **Yes** button to execute deleting.

✎ Target deletion can be executed by selecting **Target deletion** from **Target** menu.

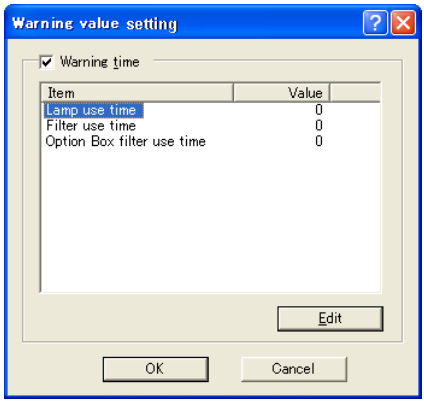
✎ It cannot perform the target addition, editing and deletion during the target monitoring.

✎ Up to 200 targets can be registered.

✎ Up to 255 characters can be used for target name and community.

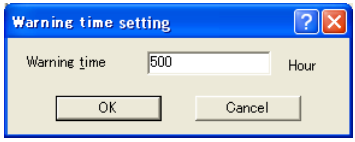
Setting up the warning value

PJ Network Manager provides a function to display the alert when the use time of the setting item reaches a specified setting time. The available setting items (use time) are depending on the target equipment.



(Example of the set up window)

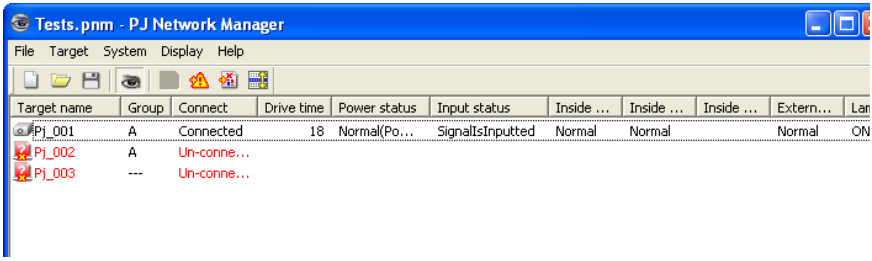
1. Select a target on the status list with right click.
   - ✐ When setting multiple targets together, select targets with pressing "Shift" or "Control" key.
2. Select **Warning value setting** on the popup menu. The setting window will appear as the right figure.
3. Check **Warning time** check box. The setting items are activated. Select a setting item and click **Edit** button. Another setting window appears.
4. Enter the threshold value of selected item and then click **OK** button. The setting window will disappear.
5. Set up warning value for remaining items if available and then click **OK** button. The setting window will disappear.
   - ✐ To disable the warning value, clear **Warning time** check box.



✐ When selecting multiple targets, the value set to the lowest target on the status list is displayed as the current setting time. Up to 99,999 hours can be set for the use time. The warning value is stored in the management file.

Starting target monitoring

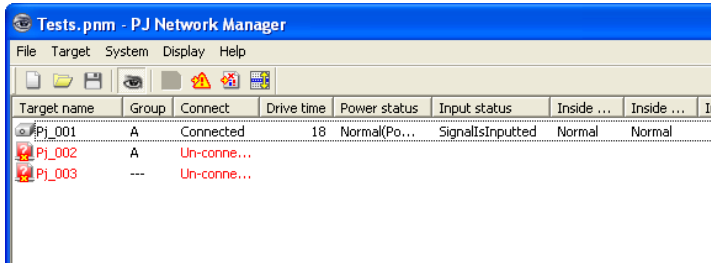
1. Click button on the tool bar to start monitoring the target.
2. PJ Network Manager starts polling the target in a sequential from the top of the status list and displays the results on the status list.



When happens the alert on the target

If the abnormality or connection error happens on the target, PJ Network Manager indicates target name, icon and status column item with red color to let you know the abnormality.

- When PJ Network Manager cannot acquire the MIB information of the target equipment, it indicates as Connection Error.
- The interval of target monitoring is according to the setting of **Monitoring interval** on **System default setting** from **System** menu. (☞p.17)
- For the way to give notice of the alert information, refer to **Event reception process** on **System default setting** from **System** menu. (☞p.17)


Tests.pnm - PJ Network Manager
File Target System Display Help
Target name Group Connect Drive time Power status Input status Inside ... Inside ...
Pj_001 A Connected 18 Normal(Po... SignalIsInputted Normal Normal
Pj_002 A Un-conne...
Pj_003 --- Un-conne...

When happens the trap event on the target

During the target monitoring, if the predefined event (trap) happens on the target equipment, the target sends the trap information to PJ Network Manager. This trap information is displayed on the status list.
The trap information is set up in the SNMP setting items of the target equipment. Projector has items such as "When PJ lamp is off", "When the life span of lamp is reached", "When internal PJ power circuit is failed" etc. For further trap information, refer to "SNMP setting" in the separated network owner's manual.

- For the way to give notice of the trap information, refer to **Event reception process** on **System default setting** from **System** menu. (☞p.17)

What's Trap

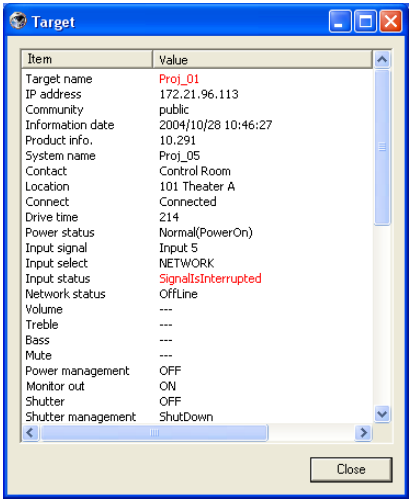
Trap is the event predefined by the SNMP agent. If the predefined event ("When PJ lamp is off", "When internal PJ power circuit is failed" etc.) happens, target sends trap information to the SNMP manager.

Stopping monitoring the target

To stop monitoring the target, click button again on the tool bar.

Displaying all the status information of the target

Select a target and click button on the tool bar. The following status window appears and displays all the available status information of the target.



✎ The target name and item which have an abnormality or connection error happening are indicated with red.

✎ When PJ Network Manager cannot acquire the value of column information, "---" is displayed.

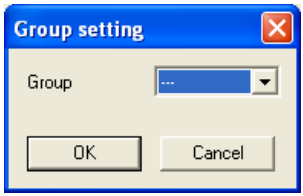
✎ The above procedure can perform by selecting **Target display** from **Display** menu.

Setting the target group

The target group can be set up by the procedure below. When you set a command in the same group, you set it.

1 Select targets which you want to set from the status list. Select **Group setting** from **Target** menu, the dialog box will appear as the below figure.

2 Select a group, and then click **OK** button.



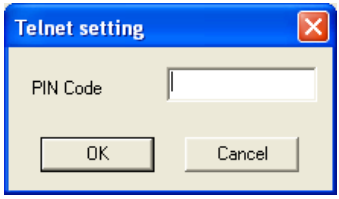
✎ "---" will not set the group.

✎ The projectors setting different network passwords cannot be set to the same group. It is necessary for the projectors in the same group to set to the same password.

Setting up the password of Telnet

The password of telnet can be set up by the procedure below. It is necessary to make a password, same as the network password.

1. Select a target which you want to set up the password of telnet from the status list. You can select multiple targets.
2. Select **Telnet setting** from **Target** menu, **Telnet setting** dialog box will appear as the below figure. Set a password and click **OK** button. When multiple targets are selected, all the selected targets are set as the same password.

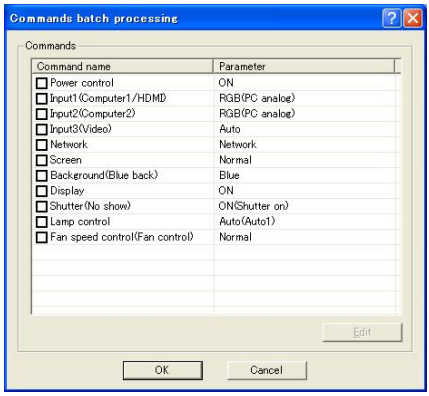


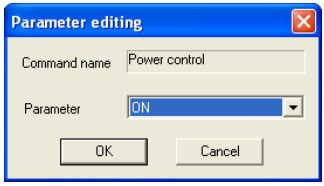
✎ The initial setting is "0000".

Setting commands batch processing for multiple targets

The commands batch processing for multiple targets can be set up by the procedure below.

1. Select a target belonging to the batch processing group which you want to set, and select **Commands batch processing** from **Target** menu. **Commands batch processing** dialog box will appear as the below figure.
2. Select a command which you want to set, click **Edit** button. **Parameter editing** dialog box will appear. Select a parameter, and then click **OK** button. The check box of **Commands batch processing** dialog box will be checked.
3. Click **OK** button. The commands are carried out to all the targets of the same group.





✎ The commands also work for the target which is not set to a group.

Commands batch processing : Available Command

Items	Description
Power ON/OFF	Sets up the Power ON or Power OFF.
Input,Source	Sets up the Input and Source. Selects Input and Source.
Screen	Sets up the screen size. Resizes the picture screen.
Background	Sets up the background. Selects the background screen for when no input signal is detected.
Display	Sets up the Display. Decides whether to display On-Screen Displays or not.
Shutter(No show)	Sets up the Shutter (No show). Sets black out the image.
Lamp control	Sets up the Lamp control. Changes brightness of the screen.
Fan control	Sets up the Fan control. Chooses the running speed of cooling fans.

Setting timer for targets

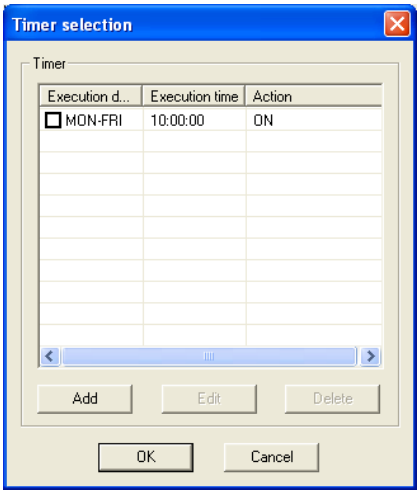
The timer information for targets can be set up by the procedure below.

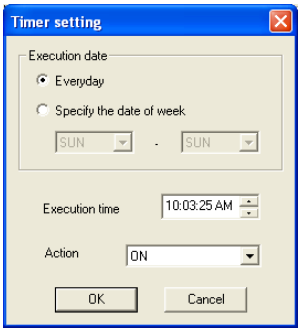
1 Choose a target which you want to set the timer.

2 Select **Timer setting** from **Target** menu. **Timer selection** dialog box will appear as the below figure. Check in a check box of an event to carry out.

3 When you want to add events, click **Add** button. Input timer informations in **Timer setting** dialog box, and click **OK** button.

4 Click **OK** button of **Timer selection** dialog box, timers are set to the selected target. When selecting multiple targets, timers are set to all the selected targets.





Timer

Items	Description
Execution date	Sets up the Timer execution date. (everyday or a day)
Execution time	Sets up the Timer execution time. (hh:mm:ss)
Action	Sets up the events.

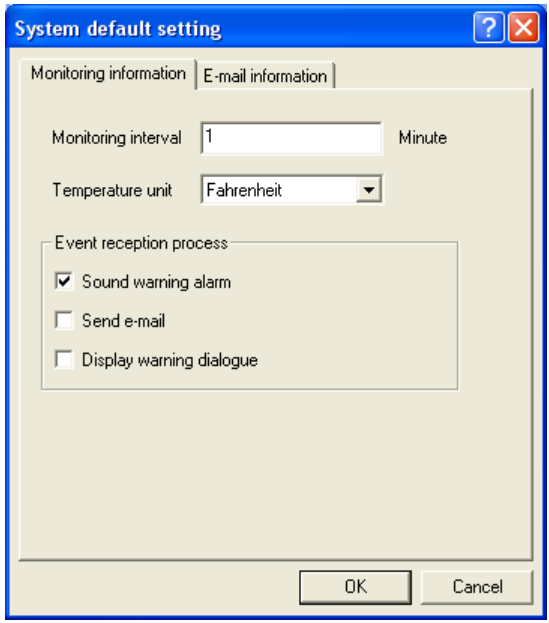
Setting up default setting

The monitoring information and e-mail information can be set up by the procedure below.

1 Select **System default setting** from **System** menu. The setting window will appear.

2 Switch by clicking **Monitoring information** or **E-mail information** tab for each setting.

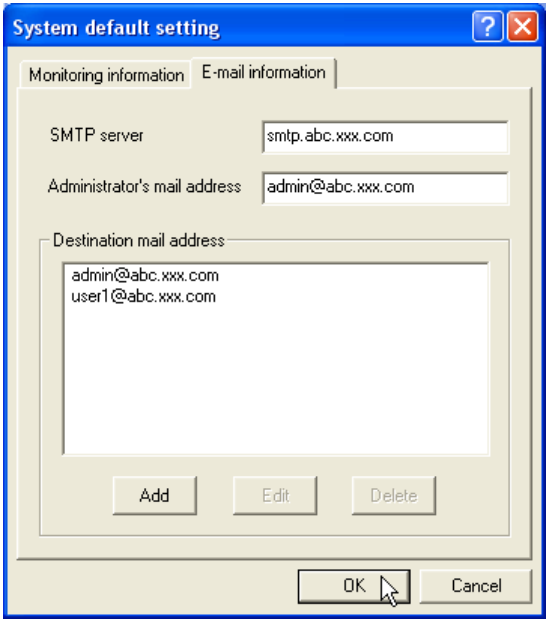
Monitoring information



Monitoring information

Items	Description
Monitoring interval	Sets up the interval of the polling in minute unit. (1 to 99 minutes can be set)
Temperature unit	Sets up the display temperature unit Centigrade or Fahrenheit.
Event reception process	Sets up the treatment when the event (ALERT, TRAP, SYSERR) happens on the target. For further information, refer to the item "About event treatment" (☞p.26). ❒ Sound warning alarm ❒ Send e-mail ❒ Display warning dialog

E-mail information



E-mail information

Items	Description
SMTP server	Sets up the IP address of SMTP mail server or server host name.
Administrator's mail address	Sets up the e-mail address of administrator
Destination mail address	Sets up the destination mail address when the event (ALERT, TRAP, SYSERR) happens on the target. The mail address entering window appears when clicking **Add** button.

✐ If **Send e-mail** check box of **Event reception process** on **Monitoring information** is un-checked, the alert e-mail will not be sent even if you set up the e-mail address.

✐ Up to 10 addresses can be set up for the destination mail address.

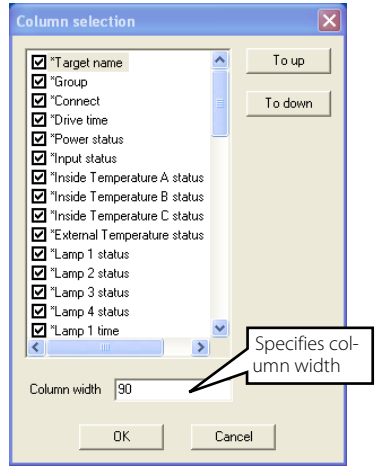
✐ For the contents of the mail, refer to item "About event treatment" (☞p.26).

Customizing the status list

Changing the status column indication

1. Select **Column selection** from **System** menu. The column selection window will appear.
2. On the window, check the column name to be indicated on the status list.
   - ✎ The mark [*] next to the column name indicates alert item.
3. To change the order of the display column on the status list, select a column you intend to change the order and click **To up** or **To down** button.
4. Click **OK** to close setting.

✎ When specifying the column width by numeric value, enter number (0 to 9999) onto "Column width" text box.



Column	Description
*Target name	Name of the network equipment
*Group	Group name
*Connect	Status of connection to the network (Connected, Un-connected)
*Drive time	Accumulated use time of the equipment
*Power status	Power status of the equipment (Normal(Power-on), Normal(Standby), Power Management, Power failure, lamp failure, etc.)
*Input status	Input signal status (Signal, No signal, Signal interrupted)
*Inside Temperature A status	Status of inside temperature A (Normal, Warning, Error)
*Inside Temperature B status	Status of inside temperature B (Normal, Warning, Error)
*Inside Temperature C status	Status of inside temperature C (Normal, Error)
*External Temperature status	Status of external temperature (Normal, Warning, Error)
*Lamp1 status	Status of Lamp1 (Off, On, Error, Replace)
*Lamp2 status	Status of Lamp2 (Off, On, Error, Replace)
*Lamp3 status	Status of Lamp3 (Off, On, Error, Replace)
*Lamp4 status	Status of Lamp4 (Off, On, Error, Replace)
*Lamp1 time	Used time of Lamp1
*Lamp2 time	Used time of Lamp2
*Lamp3 time	Used time of Lamp3
*Lamp4 time	Used time of Lamp4
*Filter status	Status of airfilter (Normal, Clogged)
*Option Box filter status	Status of option box filter (Normal, Error, Clogged)
*Filter time	Use time of airfilter
*Option Box filter time	Use time of option box filter

✎ The values in parentheses are typical value and they differ depending on the connected equipment.

✎ The [*] next to the column name indicates alert items.

Column	Description
***Error info.**	Error information (Not available for the projector)
IP address	IP address of the network equipment
Community	Community name of the network equipment (public)
Introduction date*1	Date of the network equipment installed
Timer	Timer information
Product info.	Name of the network equipment
System name	System name of the network equipment (Proj_05)
Contact	Contact information of the network equipment
Location	Installed location of the network equipment
Input signal	Information of the input mode (Input1, Input2, etc.)
Input select	Information of the input source (RGB, VIDEO, S-VIDEO, NETWORK, etc.)
Network status	Condition of the network mode (Off line, Network Viewer, Network Capture)
Audio system	Displays audio system mode (NORMAL, PERSONAL, MUSIC, TALK)
Volume	Sound Volume of the network equipment
Treble	Sound treble of the network equipment
Bass	Sound bass of the network equipment
Balance	Sound balance of the network equipment
Mute	Sound mute status of the network equipment (ON, OFF)
Power management	Power management status of the network equipment (OFF, READY, SHUTDOWN)
Monitor out	Monitor out status of the network equipment (ON, OFF)
Shutter (No show)	Shutter status of the network equipment (OFF, High-Contrast, Normal)
Shutter management	Shutter management status of the network equipment (Shutdown)
Fan control	Fan control status of the network equipment (Normal, Maximum, OFF, On1, etc.)
Inside Temperature A	Displays inside temperature A of the equipment (in Centigrade or Fahrenheit)
Inside Temperature B	Displays inside temperature B of the equipment (in Centigrade or Fahrenheit)
Inside Temperature C	Displays inside temperature C of the equipment (in Centigrade or Fahrenheit)
External Temperature	Displays external temperature of the equipment (in Centigrade or Fahrenheit)
Lamp mode	Displays lamp mode (1: 1-lamp mode, 2: 2-lamp mode, 4: 4-lamp mode, etc.)
Lamp control	Displays lamp control mode (Auto, Normal, Eco, etc.)
Model name	Model name of the network equipment

*1 Set up the installed date when the PJ Network Manager is newly introduced.

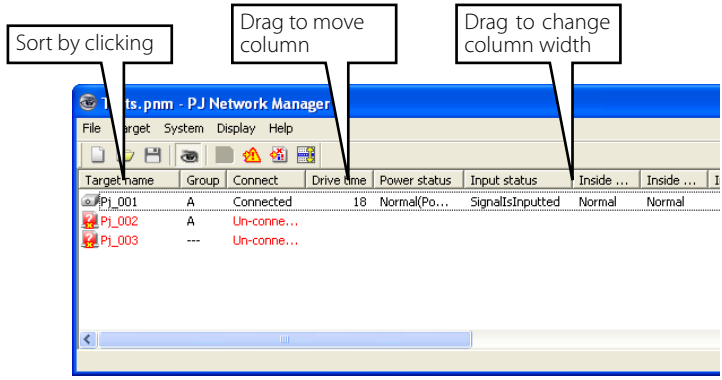
✎ There are some un-available columns depending on the products. The value of un-available column is displayed in blank or with "---".

To change order or width of the column

Drag the status column name you want to change the order and move it on a new place and drop it. To change column width, set a mouse cursor onto the right edge of the column to change, drag the mouse on it and adjust the column width.

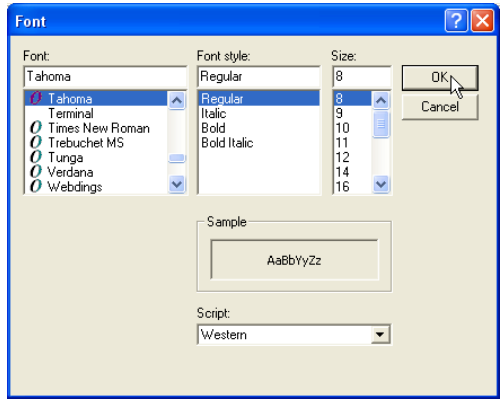
Sorting the status list

The order of the targets on the status list can be changed by clicking the column name which you want to sort. It switches ascending or descending order by clicking the column name each time.



Changing font

Select **Font setting** from **System** menu. The font setup window will appear. Select your desired type face, style and size on the window.

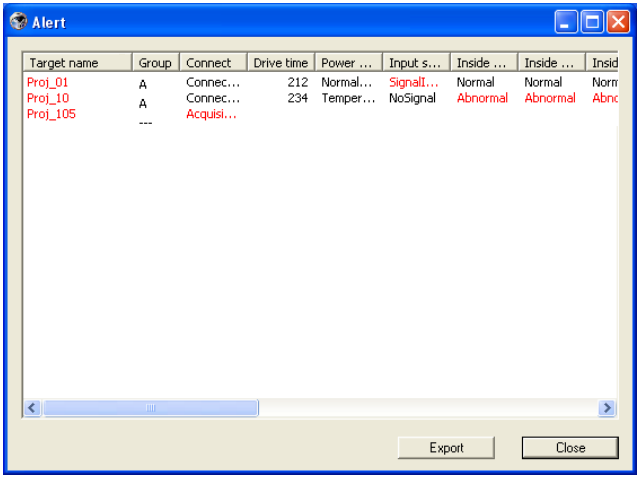


✐ Customized font property is applied to all the windows of the setting.

Viewing the alert information

1 Click button on the tool bar. The alert display window appears and the alert information of all the targets which are having an alert is listed on this window as the below.

2 To export the alert information as text file (CSV file), click **Export** button.



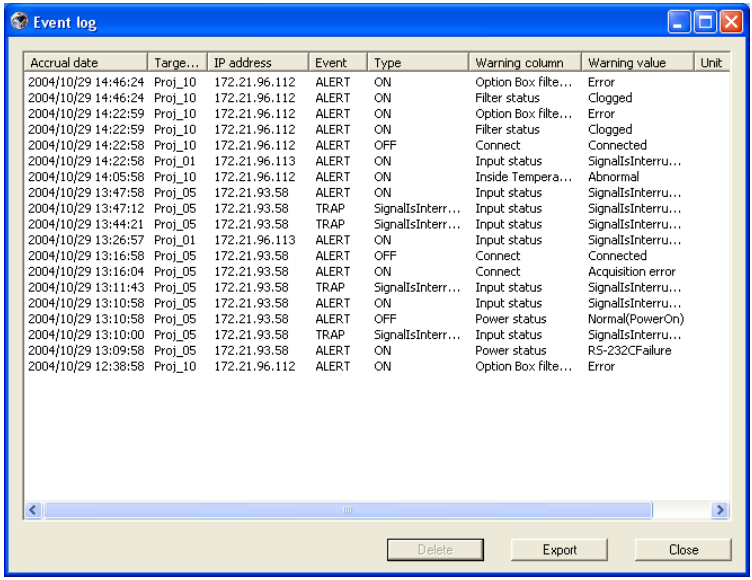
✎ Column width can be changed with dragging the right edge of the column. The column order can be changed with drag and drop the column. Column can not be deleted.

Viewing the event log

1 Click button on the tool bar. The event log display window appears and the events which have been happened on the targets are listed on this window as the below.

2 To export these events as text file (CSV file), click **Export** button.

3 To delete the event log, select the accrual date item you intend to delete by clicking and then click **Delete** button. On the confirmation dialog, click **Yes** to execute deletion.


Event log
Accrual date
Targe...
IP address
Event
Type
Warning column
Warning value
Unit
2004/10/29 14:46:24 Proj_10 172.21.96.112 ALERT ON Option Box filte... Error
2004/10/29 14:46:24 Proj_10 172.21.96.112 ALERT ON Filter status Clogged
2004/10/29 14:22:59 Proj_10 172.21.96.112 ALERT ON Option Box filte... Error
2004/10/29 14:22:59 Proj_10 172.21.96.112 ALERT ON Filter status Clogged
2004/10/29 14:22:58 Proj_10 172.21.96.112 ALERT OFF Connect Connected
2004/10/29 14:22:58 Proj_01 172.21.96.113 ALERT ON Input status SignalIsInterru...
2004/10/29 14:05:58 Proj_10 172.21.96.112 ALERT ON Inside Tempera... Abnormal
2004/10/29 13:47:58 Proj_05 172.21.93.58 ALERT ON Input status SignalIsInterru...
2004/10/29 13:47:12 Proj_05 172.21.93.58 TRAP SignalIsInterr... Input status SignalIsInterru...
2004/10/29 13:44:21 Proj_05 172.21.93.58 TRAP SignalIsInterr... Input status SignalIsInterru...
2004/10/29 13:26:57 Proj_01 172.21.96.113 ALERT ON Input status SignalIsInterru...
2004/10/29 13:16:58 Proj_05 172.21.93.58 ALERT OFF Connect Connected
2004/10/29 13:16:04 Proj_05 172.21.93.58 ALERT ON Connect Acquisition error
2004/10/29 13:11:43 Proj_05 172.21.93.58 TRAP SignalIsInterr... Input status SignalIsInterru...
2004/10/29 13:10:58 Proj_05 172.21.93.58 ALERT ON Input status SignalIsInterru...
2004/10/29 13:10:58 Proj_05 172.21.93.58 ALERT OFF Power status Normal(PowerOn)
2004/10/29 13:10:00 Proj_05 172.21.93.58 TRAP SignalIsInterr... Input status SignalIsInterru...
2004/10/29 13:09:58 Proj_05 172.21.93.58 ALERT ON Power status RS-232CFailure
2004/10/29 12:38:58 Proj_10 172.21.96.112 ALERT ON Option Box filte... Error
Delete
Export
Close

Event log information items

Items	Description
Accrual date	Accrual date of the event
Target name	Name of the network equipment
IP address	IP address of the network equipment
Event	Type of the Event (ALERT, TRAP, SYSERR) (See table on the next page)
Type	Type of the Event (See table on the next page)
Warning column	Warning column of the Event (See table on the next page)
Warning value	Warning value of the Event (See table on the next page)
Unit	Displays unit of the warning value.

✎ The listed items are fixed.

✎ The order of the event log list can be changed temporarily by clicking the column name which you want to sort. It switches ascending or descending order by clicking the column name each time.

✎ Column width can be changed by dragging the right edge of the column. The column order can be changed with drag and drop the column. Column cannot be deleted.

Description of Event, Type, Warning column, Warning value

Event	Type	Warning Column	Warning Value	Description
ALERT	ON : Abnormality has happened OFF : Abnormality has been cleared	Connect	Un-connected Connected Acquisition error	* Refer to the next page
		Power status	PowerFailure TemperatureError Normal (AfterTempError) RS232CFailure Power management Shutter management LampFailure Normal(Standby) Normal(OnStartingUp) Normal(OnCoolingDown) Normal(PowerOn) TemperatureError(OnCoolingDown) Power management(OnCoolingDown) Shutter management(OnCoolingDown) LampFailure(OnCoolingDown)	
		Input status	SignalsInterrupted SignalsInputted	
		Inside Temperature status (A to C) External Temperature status	Abnormal	
		Lamp status (1 to 4)	Failure Replace	
		Lamp time (1 to 4)	(setting time)	
		Filter status	Clogged Warning	
		Filter time	(setting time)	
TRAP	LampFailure	Lamp status (1 to 4)	Failure	
	LampReplace		Replace	
	PowerOFF PowreFailure PowerManagement ShutterManagement	Power status	Normal(Standby) Normal(OnCoolingDown) PowerFailure Power management Power management(OnCoolingDown) ShutterManagement ShutterManagement(OnCoolingDown)	
	TemperatureError	Inside Temperature status (A to C) External Temperature status	Abnormal	
	SignalIsInterrupted	Input status	SignalIsInterrupted	
	LampReplacementTime	Lamp time (1-4)	(lamp time)	
	FilterReplacementTime	Filter time	(filter time)	
	CloggedFilterWarning	Filter status	Clogged Warning	
	AutoPlayError	n/a	n/a	
	WarningOnConstantModeForBrightness	n/a	n/a	
SYSERR	*Mail Transfer *MemoryError	n/a *1	n/a *1	

*1 When PJ Network Manager could not send mail or acquire the memory, no message is displayed in "Warning column" and "Warning value".

✎ For further details of each warning column and value, refer to the next page.

Description of warning value

Warning Column	Warning Value	Description
Connect	Un-connected Connected * Acquisition error	Projector has been disconnected from the network Projector has been connected to the network PJ Network Manager could not acquire the MIB information from the equipment
Power status	Power failure	Projector turned off due to the power failure of the projector
	TemperatureError	The projector turned off due to temperature error occurred
	Normal (AfterTempError)	Normal after temperature error occurred
	RS232CFailure	The RS-232C communication error occurred
	Power management	The power management function turned projector lamp off
	Shutter management	The shutter management function turned projector lamp off
	LampFailure	The lamp failure occurred
	Normal(Standby) *	Projector turned into standby normally
	Normal(OnCoolingDown) *	On cooling down normally due to projector turned off
Input signal status	SignalsInterrupted SignalsInputted *	The signal was interrupted The signal was inputted again
Inside Temperature status (A to C) External Temperature status	Abnormal	The projector turned off when the temperature was abnormally high
Lamp status	ON * Failure Replace	When the lamp is on When the lamp failed to ignite. It reached lamp replacing time.
Lamp time	(lamp time)	It reached user setting lamp replacing time
Filter status	Clogged Warning	Filter has been clogged Filter is close to clogging
Filter time	(filter time)	It reached user setting filter time
(Auto play error)	n/a	The error occurred during the auto image display
(WarningOnConstantModeFor Brightness)	n/a	The brightness (Current value) continuously goes down a certain rate from the value in Constant mode.

✎ The warning value with "*" in the above table shows the event when the alert has cleared, alert type is "OFF".

✎ The column order and width of the event log window are saved to the registry of the computer.

✎ Up to 1000 of events can be stored. If it exceeds 1000 events, the oldest event is deleted and the latest event is added. The event log can be saved to the management file.

✎ This Warning column is not available for some projector's model types.

About event treatment

If the PJ Network Manager receives an event, it executes following event treatment items which are selected in the system default setting.

- ❒ Sound warning alarm
- ❒ Send e-mail
- ❒ Display warning dialog

Sound warning alarm

If the PJ Network Manager receives an event, the computer beeps an alarm sound. The alarm sound is depending on your computer sound setting.

✐ The alarm sound is not made when your computer does not provide any speaker or the sound volume is muted.

Send e-mail

Following example message is sent to the e-mail address you set up as the destination mail address.

```
From: Test1<admin@abc.xxx.com> (management
file name)
Date : 2004/10/29 21:30
To : user@abc.xxx.com
Subject : Alert message
---------------------------------------------------------
Alert has occurred
* Accrual date : 2004/10/29 21:13:42
* Target name : Proj_10
* IP address : 192.168.1.101
* Event : ALERT
* Type : ON
* Warning column : Power status
* Warning value : Power failure
```

✐ For the further information of event, type, warning column and warning value, see the item "Viewing the event log" (☞p.23).

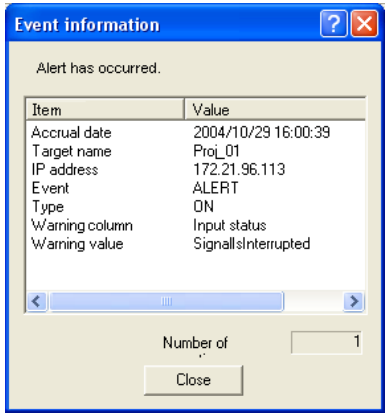
✐ The setting of event treatment, refer to item "Setting up default setting" (☞p.17).

Notes on using Windows XP Service Pack 2 (SP2) / Windows Vista / Windows 7

Windows Firewall is turned on by default in Windows XP SP2, Windows Vista, and Windows 7. Due to this Windows Firewall, the send e-mail function is not available. When using this mail function, you need to cancel the block for PJ Network Manager application. For the further details of Windows Firewall, see Windows help on your computer.

Display warning dialog

Following dialog window appears on the screen if event occurs.

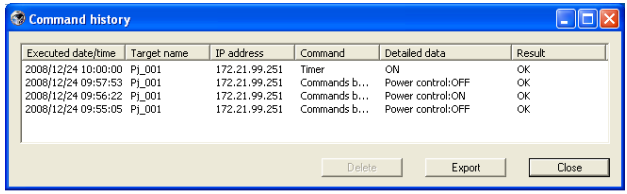


Viewing the command history

1 Click button on the tool bar. **Command history** window appears and the command history is listed on the window as shown below.

2 To export the command history as text file (CSV file), click **Export** button.

3 To delete the command history, select the item of **Executed date/time** which you want to delete, and then click **Delete** button. On the confirmation dialog box, click **Yes** button to execute deletion.



Command history

Items	Description
Executed date/time	Executed date and time of the command
Target name	Name of the network equipment
IP address	IP address of the network equipment
Command	Type of the Command
Detailed data	Contents of the Command
Result	Results of the Command

✎ The listed items are fixed.

✎ Column width can be changed by dragging the right edge of the column. The column order can be changed with drag and drop the column. Column cannot be deleted.

✎ Up to 1000 of events can be stored. If it exceeds 1000 events, the oldest event is deleted and the latest event is added.

Storing the management file

When you monitor the network equipment with the PJ Network Manager, you can save the registered target information, system setting and event log information into the management file with a free file name. It is useful if you manage multiple equipment in the network.

Click button on the tool bar and save it with free file name. The extension is ".pnm".

The management file contains following information.

Items	Description
Header	Management file section, file version
System default setting	Default value of the system setting - Monitoring interval - Event reception process - Temperature unit - E-mail information
Target information	Information of the registered target - Target information (target name, IP address, Community, Introduction date) - target MIB information - Warning value set up
Event log information	Event log information (ALERT, TRAP, SYSERR)

✐ The maximum volume of a management file is required about 1MB. (Number of registrable targets is 200, number of events is 1000)

Information saved to the registry

Following application setting information is saved to the registry of your computer. So the setting condition is memorized even after quitting the application.

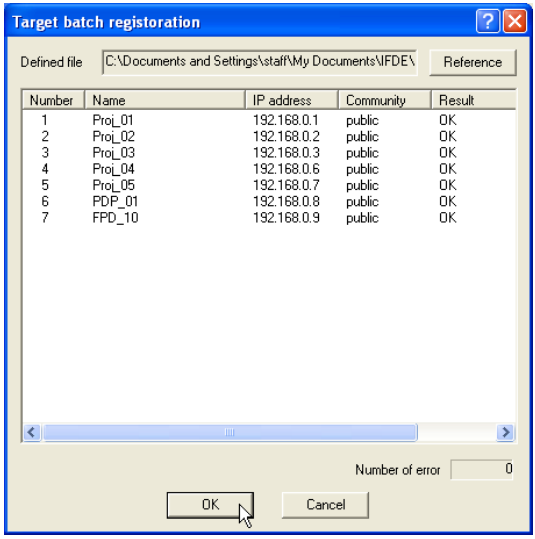
Items	Description
Status window information	Display position and size of the status list window
Status list information	Display status column, column width and column order
Event log list information	Column width and order of the event log list
Font set up	Font setting value (Type face, size and style)

Registering the target information from the defined file at once

The PJ Network Manager provides a function to import the target information from the defined file at once. Prepare the defined file (CSV data format) in which the target information is written along the format shown below.

1 Select **Target batch registration** from **System** menu. The target batch registration window appears.

2 Click **Reference** button and select a defined file to import the target information. The imported target information will be listed on the target batch registration window.



* If there is an error in the imported defined file, the error information will be indicated on the Result column. Retry importing after correcting the defined file.

3 Click **OK** button to execute the registration.

✎ Target batch registration is not available during Target monitoring.

Format of the defined file

The defined file is a CSV data file created by the spreadsheet application and is defined as follows;

Column	Description (example)
Target name	Name of target equipment (Proj_01, Proj_03, PDP_01, etc.)
IP address	IP address (192.168.0.1, etc.)
Community	Name of SNMP community. Default value of our network products is "public"

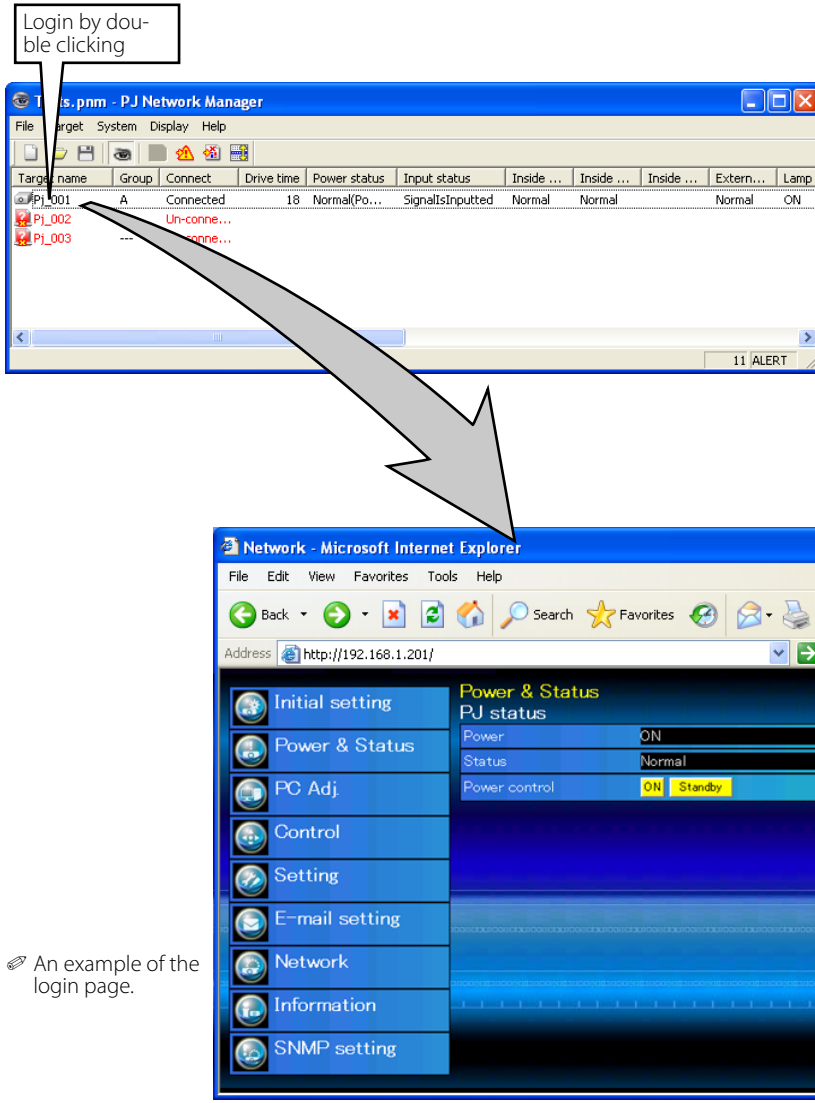
Example of the defined file

The table below shows the example of the defined file provided with the target information. Save this file as the CSV file.

Target name	IP address	Community
Proj_01	192.168.0.1	public
Proj_02	192.168.0.2	public
Proj_03	192.168.0.3	public
Proj_04	192.168.0.6	public
Proj_05	192.168.0.7	public
PDP_01	192.168.0.8	public
FPD_10	192.168.0.9	public

Login to the target equipment

After double clicking the target name on the status list, the computer launches web browser and displays the login window of the target equipment.
You can control and set up the projector remotely by using the web browser. For the further information of instruction, see the separated network owner's manual.



An example of the login page.

EIKI

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E-Mail : usa@eiki.com

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PM-MW4B
PJ NETWORK MANAGER OWNER'S MANUAL
FOR WINDOWS

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